WHAT IS CLAIMED IS:

1   1.   A data duplication method which duplicates data

2   being stored in a storage subsystem connected to a

3   computer, wherein,

4   said computer includes a processor unit and a

5   storing unit, and said processor unit comprises,

6   an identification information reading step which

7   reads out from a storing unit an identification

8   information list in which identification information

9   of each of a plurality of storage media included in

10   the storage subsystem is stored,

11   a first reading step which reads out from the

12   storing unit, the first duplication definition

13   information which stores the identification

14   information with respect to each of the plurality of

15   storage media, and identification information of a

16   copy destination storage medium of each of the

17   plurality of storage media,

18   a first comparing step which compares the

19   identification information list read out in the

20   identification information reading step, and the first

21   duplication definition information read out in the

22   first reading step,

23   an addition step in which if there exists

45

24 identification information that is stored in the

25 identification information list but not stored in the

26 first duplication definition information in the first

27 comparing step, a copy destination recording medium

28 of the storage medium having the identification

29 information is selected according to a predetermined

30 selection condition, the identification information

31 and the identification information of the copy

32 destination storage medium thus selected are added to

33 the first duplication definition information, and data

34 in the storage medium having the identification

35 information is copied to the copy destination storage

36 medium thus selected, and

37   a deletion step in which if there exists

38 identification information that is not stored in the

39 identification information list but is stored in the

40 first duplication definition information in the first

41 comparing step, the identification information and the

42 identification information of the storage medium,

43 which is a copy destination of the storage medium

44 having the identification information, are deleted

45 from the first duplication definition information, and

46 copying the data of the storage medium having the

47 identification information is stopped.

1 2.   A data duplication method according to claim 1,

2 wherein,

3   there exist a plurality of said storage

4 subsystems connected to the computer, and a plurality

5 of said storage subsystems which include said copy

6 destination storage medium.

1 3.   A data duplication method according to claim 1,

2 wherein,

3   a second reading step which reads out from said

4 storing unit, the second duplication definition

5 information which stores identification information

6 with respect to each of said plurality of storage media

7 as a copy destination, and identification information

8 of a storage medium as a further copy destination of

9 each of said storage media,

10   a second comparing step which compares the first

11 duplication definition information read out in said

12 first reading step, and the second duplication

13 definition information read out in said second reading

14 step,

15   an addition step in which if there exists

16 identification information that is stored in the first

17 duplication definition information but not stored in

18 the second duplication definition information in the

19 second comparing step, a further copy destination

20 recording medium of the storage medium having the

21 identification information is selected according to

22 a predetermined selection condition, the

23 identification information and the identification

24 information of the further copy destination storage

25 medium thus selected are added to the second

26 duplication definition information, and data in the

27 storage medium having the identification information

28 is copied to the further copy destination storage

29 medium thus selected, and

30 a deletion step in which if there exists

31 identification information that is not stored in the

32 first duplication definition information but is stored

33 in the second duplication definition information in

34 the second comparing step, the identification

35 information and the identification information of the

36 storage medium, which is a further copy destination

37 of the storage medium having the identification

38 information, are deleted from the second duplication

39 definition information, and copying the data of the

40 storage medium having the identification information

41 is stopped.

1 4. A data duplication method according to claim 1,

2   wherein,

3   said selection condition includes information

4   which has caused an error occurred in said addition

5   step.

1   5.   A program which duplicates data being stored in

2   a storage subsystem connected to a computer, wherein,

3   said computer includes a processor unit and a

4   storing unit, and said program allows the processor

5   unit to execute,

6   an identification information reading step which

7   reads out from a storing unit an identification

8   information list which stores identification

9   information of each of a plurality of storage media

10   included in the storage subsystem,

11   a definition information reading step which reads

12   out from the storing unit, the duplication definition

13   information which stores the identification

14   information with respect to each of the plurality of

15   storage media, and identification information of a

16   copy destination storage medium of each of the

17   plurality of storage media,

18   a comparing step which compares the

19   identification information list read out in the

20   identification information reading step, and the

21   duplication definition information read out in the

22   duplication definition reading step,

23   an addition step in which if there exists

24   identification information that is stored in the

25   identification information list but not stored in the

26   duplication definition information in the comparing

27   step, a copy destination recording medium of the

28   storage medium having the identification information

29   is selected according to a predetermined selection

30   condition, the identification information and the

31   identification information of the copy destination

32   storage medium thus selected are added to the

33   duplication definition information, and data in the

34   storage medium having the identification information

35   is copied to the copy destination storage medium thus

36   selected, and

37   a deletion step in which if there exists

38   identification information that is not stored in the

39   identification information list but is stored in the

40   duplication definition information in the comparing

41   step, the identification information and the

42   identification information of the storage medium,

43   which is a copy destination of the storage medium

44   having the identification information, are deleted

45   from the duplication definition information, and

46 copying the data of the storage medium having the

47 identification information is stopped.

1 6. A computer which duplicates data stored in a

2 storage subsystem, comprising,

3 a first storing means which stores an

4 identification information list in which

5 identification information of each of a plurality of

6 storage media included in said storage subsystem is

7 stored,

8 a second storing means which stores duplication

9 definition information including identification

10 information with respect to each of said plurality of

11 storage media, and identification information of a

12 copy destination storage medium of each of said storage

13 media, and

14 a comparing means which compares the

15 identification information list stored in said first

16 storing means, and the duplication definition

17 information stored in said second storing means,

18 wherein,

19 if the identification information is stored in

20 said identification information list but not stored

21 in said duplication definition information, said

22 comparing means selects according to a predefined

23 selection condition, a copy destination storage medium

24 of the storage medium having the identification

25 information, adds to said duplication definition

26 information, the identification information and the

27 identification information of said copy destination

28 storage medium thus selected, and copies data in the

29 storage medium having the identification information

30 to said copy destination storage medium thus selected,

31 and

32   if there exists identification information not

33 stored in said identification information list, but

34 stored in said duplication definition information,

35 said comparing means deletes from said duplication

36 definition information, the identification

37 information and the identification information of the

38 copy destination storage medium of the storage medium

39 having the identification information, and stops

40 copying of data in the storage medium having the

41 identification information.